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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/576,166	04/19/2006	Ronaldus Maria Aarts	NL 031232	1732
24737 7590 02/01/2011 PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510				
EXAMINER				
LEE, MICHAEL				
ART UNIT		PAPER NUMBER		
2422				
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/576,166

**Applicant(s)**

AARTS ET AL.

**Examiner**

M. Lee

**Art Unit**

2422

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 10 August 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-6, 8-12 and 14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6, 8-12, 14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-940)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB-08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 9/22/10 has been entered.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-4, and 10-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Ono (7,119,851).

Regarding claim 1, Ono discloses an image processing apparatus showing a digital tuner (12) for selecting and receiving non-contiguous segments of video streams (television programs are made up of non-contiguous segments of video data), a real-

time rendering step (16, 18, 20), a pre-determined non-subsequent frames selecting step is met by the fast-forward key 90 or the fast-rewind key 86 because by pressing either of these two keys, a skipped frames of fast moving video frames are generated, a non real-time rendering step (32, 34, 36), and a multiplexing step (22). The video data stream includes both non-contiguous and contiguous segments. The harddrive storage HDD 30 stores video signal from source 14. The stored video data can be retrieved and reproduced by pressing one of the control buttons on remote control as shown in Figure 2. For instance, if fast forward button 90 is pressed, the video data would be retrieved in a faster manner than it normally would. Thus, as shown in Figure 6C, the video HDD can have a faster frame rate than the CH6 video when the fast forward button is pressed.

Regarding claims 2-4, see Figures 6A-6C.

Regarding claim 10, Ono includes an audio signal.

Regarding claim 11, see rejections above.

Regarding claim 12, Ono's apparatus is rendered by a computer program (note Figures 4 and 5).

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains.

Patentability shall not be negated by the manner in which the invention was made.

5. Claims 5, 6, 8, 9, and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ono (7,119,851).

Regarding claims 5, 6, 8, 9, and 14, Ono does not disclose the bar providing step and the bar indicating step as claimed. The Examiner takes Official Notice that using a bar graph to meter a measurement is well known in the art. For instance, conventional software multimedia recorders and players use bar graphs, such as time scales and playback directions, to indicate the instant position and direction of the playback or recording operation. These graph indicators enable the user to recognize and identify a system operation status visually and instantaneously, which translates efficiency. Hence, in order to further to enhance the system of Ono, it would have been obvious to one of ordinary skill in the art at the time that the invention was made to include the well known time scale bar graphs into Ono to perform the well known function as claimed.

### ***Response to Arguments***

6. Applicant's arguments filed 8/10/10 have been fully considered but they are not persuasive.

In considering applicant's argument that there is no disclosure or suggestion (in Ono) that the broadcast video stream processed by the "real-time rendering step" is capable of fast-forward mode, the examiner concludes that the argument is moot because "fast-forward mode" limitation cannot be found the claims.

In considering applicant's argument that there is no disclosure or suggestion in Ono how, in the "non-real-time rendering step", fast-forward reproduction is effected by

the fast-forward key 90 of the remote controller 52 operating the CPU 62 to control the retrieval of the data from the harddisk drive, the Examiner disagrees. As shown in figure 2 and stated in column 4, line 66, to column 5, line 16, the remote control 52 in Ono is for controlling the operation of the harddrive, such as the fast-forward operation by pressing key 90 and the fast-rewind operation by pressing key 86. Such disclosure is sufficient to read on the claimed limitations.

Regarding applicant's argument that Ono neither discloses nor suggests "selecting non-contiguous segments of the stream of video data, each of said segments comprising multiple subsequent frames", "real-time rendering said non-contiguous segments to form a first rendered stream", "selecting pre-determined non-subsequent frames of said streams of video data" and "non-real-time rendering said pre-determined non-subsequent frames to form a second rendered stream" as claimed, the examiner disagrees. As stated in the rejection above, the tuner 12 meets the selecting step as claimed since the tuner 12 selects and receives a television program from antenna 10. The television program is made up of non-contiguous segments of video data. The image decoder 18 and resolution conversion 20 together meet the real-time rendering step as claimed since these two circuits process the video stream in real-time. The fast-forward key 90 or the fast-rewind key 86 enables the harddrive to produce fast rolling video frames by skipping some of the frames. Thus, the keys 90 and 86 meet the pre-determined non-subsequent frames selecting step as claimed. Finally, the image decoder 34 and resolution conversion 36 process the non-real time video stream from the harddrive, which meet the non-real time rendering step as claimed.

In view of foregoing arguments, it is clear that applicant fails to overcome the Ono reference. As a result, the rejection stands.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Lee whose telephone number 571-272-7349. The examiner can normally be reached on Monday through Thursday from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jefferey Harold, can be reached on 571-272-7519. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/M. Lee/  
Primary Examiner  
Art Unit 2622